

ANT/PIE/02

0038

②

BMR

CANBERA

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N
(T)

(P29)

etc...

295/70-75 M foliation

fresh dark grey, siliceous
midway down see sample
thin greenish grey (siliceous)
rock has locally brown
nodules, especially near top
thin grey ~~siliceous~~ (weathering)
along surface rock. Foliation
is also dark grey but weathering
to a brown.

both Q. (siliceous) zones. ^{medium} ~~fine~~ ^{quartz}
Sample 0096 ^{medium} ~~fine~~ ^{quartz}
0097 ^{fine} ~~medium~~ ^{quartz}

dark brown. Lenticles not thicker
than 15 cm.

Foliation very visible on top
to middle brown weathering
in places as streaks of ^{and talc} ~~quartz~~
(pyroxene) material in.

(foliated) material. Also
bands of ~~quartz~~ other
minerals in strongly laminated
rocks. and veins of Q
(foliated) cut // foliation.

Quartz

Rocks rather strongly jointed. ⁴⁰
Prominent ^{open} jointing 105/70 M.
(\perp foliation) but also various
other systems.

(P30)

all
same rock as at Pa
plac. not jointed, mostly open

Specimen 2 cm - 2/3 mtr
3350
60/85 M.

250-255
foliation 315-320/80-85

(PBI)

PI 3. Laminar foliation caused by
intermittent laminae of Fe Mg minerals
plates. Laminae of Q (thicker than
than of Fe Mg minerals). Between these
laminated, platy minerals occurs
caliche which forms bulk of rock.

Q plates locally developed in host
peridot. Q ^{up to 15 cm thick} veins, slightly wavy, or elongated
patches in in Q. These are
parallel or almost // to foliation.
Also bands up to 1 cm thick of
Fe Mg rock with rock, generally
parallel or sub // to foliation. Has
foliation ²⁶⁰
325/60

locally abundant. All Fe has been
in brownish weathering surface

Sample 0098 c/c medium brown

medium grey & dk. medium
green green, the latter one
occurs as band (wavy cut)
and appears to be free curved
and a // foliation.

~~Sample 0099~~

PI5 20 cm thick inclusion

in foliat. gneiss abruptly ter-
minated laterally and w/ 2 diam.

sub parallel to foliation, but there

are also small veins in the foliation
under acute angle.

Sample 0099

xenolith.

Sample 0100

Wm F

← ~~Host rock~~ foliat.
Quartz vein.

foliation 230
295/65-70

Rocks collected by Michel Morgon
from Tumbler Peak on 12. 2. 1976.

Southern peak with cairn on top

Sample 9101 typical rock from
area. (Pyroxene) quartz, feldsp. gneiss.
Medium grained with impermanent
laminae or bands of slightly coarser
Q. Medium brown. Foliation
obscure in hand sample.

Sample 9102 typical rock from area.
(Pyroxene) Q, feldsp. gneiss. with
impermanent laminae or bands of
slightly coarser Q. Medium brown
Foliation obscure in hand sample.

Sample 9103 typical rock of
thick dark band (sill?) between
saddle and S. peak running //
to foliation (crude) Biot, Q, px.
feldsp. gneiss. Medium grained with
some coarse pyroxene porphyroblasts
No foliation at hand sample scale.
Medium gneiss.

Sample 0104 Locality as 0103.
Medium to coarse gr. biot., Q,
pyrox., feldsp. gneiss. No foliat.
at hand sample scale. Medium
grs.

Sample 0105. Uncommon rock type.
could be even an eclogite. Coarse
stained biot., Q, feldsp. gneiss.
Foliation rather well developed
at hand sample scale as result
of in persistent binnings of biotite
light to medium grs.

Sample 0106 Uncommon rock type.
Q, feldsp. gneiss with perphyroblast
growth and minor fine gr. monzonite.
Garnet are weathered brittle, to stained
(rust, brown) At hand sample scale
the rock shows moderately to well
developed foliation, probably fracture
cleavage.

Sample 0107 Sulphide ore rock
near Mawien (see Trail et al)

Sample 0108 as above.

Glenn, Shasta - Nevada Island

R M 1

5.48 mi 311 M from station
Tr. station 0.535 mi x 1.1 mi

5844.40

At 1/2 mi in 80

Tr. station 136 mtr.

610 11000 256.8

620 " 57502.1

27.2.1975.

Cases.

All PC rocks.

Common rocks light coloured to whitish (garnet) quartz feldspar gneiss with or without dark to blackish pyroxene ^(garnet) mica, & quartz feldspar gneiss. The latter rock type occurs in bands (often strongly folded: a-sym. isoclinal, recumbent) on 10-100 cm scale. As result of this folding, bands are not persistent but broken off and blocks of it occur at places apparently irregularly in the lighter coloured rocks.

The more rarely is a light to (medium or crystalline) rock which contains cordierite.

Cordierite occurs together with garnet which should be good

can be used for determination of
pressure P & T of metamorphism.

MACQUARIE ISLAND

7.3.1974.

Amare Stat.

(P32) de well layered list released
basalt.


Sample 109
layering at cliff $\frac{240}{210/45}$
at cl. $\frac{165}{135/40}$.

nearby:

f. g. basalt interlayered with
perthitic basalt and
limestone.

Sample 110 part basalt
limestone.

layering $\frac{205}{175/60}$

fracturing $\frac{300-120}{270-90} / 1$ 

more major faulting $\frac{160}{130/75-80}$
Photo 14 NY breaching basalt
PK 2 gentoo penguins

(P33) etc.

contact crse gr. gabbro &
unfoliated basalt / dolerite.

Photo 18 NY.

Must be very late intrusive (dyke)

Sample 112 very intrusive (dolerite)

Sample 113 gabbro ~~sample~~

many types of gabbro

pegmatite

layered (dark and light col. minerals)

oriented crystals

some beds are ~~leucocratic~~ leucocratic
gabbro.

Sample 114 diorite with oriented
crystals

(P34) etc dolerite

Sample 115

massive appearance.

(P35) c/c Eagle Caves

clotted, homogeneous dolomite
with some pyrite scattered

Sample 116

late dike
intrusion?

(P36) just over spur

c/c serpentinized rock

very weathered

on col small

(P37) next spur rock

c/c clay track

very distorted & fractured

basalt?

under m

Sat. 8-3-1975.

(P38) on beach just below
hut At Bauer Bay.

brecciated lava
slightly

moderately weathered.

spiky, rough outcrops.

Sample 118.

bit further S

75 cm thick layer of lava

between massive brecciated lava

²⁷⁰
24/30

Photo Ned Young. 4-7

(P39) ok. on flattened (hillocks)
just S of Nansen Pt.
cryst lava with porphyritic.

Sample 119.

Amegdaloidal, white.
porphyritic.

(P40) Scree coming down from cliff

Amagdaloidal dense fine-grained
basalt scoriae

Sample 120

(P41) Same as P40
but much more fragmented
brecciated lava.

fragments few to 10 cm diam.

(P42) Old hillside
amagdaloidal basaltic brecciated
lava.

Sample 121

(P43) Air Ph.
old brecciated lava

Air Ph.

(P44) c/c brecciated lava
+ tuff forming layers between
lava.

24°
210/60

Sample 122 lava
11 123 tuff.

(P45) c/c Green Gorge.

brecciated and pillow
basalt lava/dolerite ↓

Sample 124 Photo NY

at pillows sheared material
~~between~~ at interstices.

300 yds N 150/20-30
bedding Photo NY. 25

(P46) c/c Just N 2nd Rosal
Rocherrie

Pillow basalt lava

Sample 125

(P47) c/c well bedded sequence
of volcanics, tuffs

bedding ¹⁴⁰ 110/10

bedding thin layers from massive to
15 cm.

densely jointed.
many fault zones with

breccia & q.

Sample 126

further N at N side
of valley c/c of similar
bedded volcanics
dipping S 45° ¹⁸⁰ 145

210

(P48) c/c

bedded volcanics
also dense dark basalt?
and lots of (v. or. streams
riches

bedding S 30°

Sample 127 c/c or volc.

(114) c/c

Gabbroic rock intrusion
about 1 mi. N of South Bay
Sample 128

(P5) c/c Nuggets

Pillow lava
Sample 129

(P5) c/c just N of pillow
volcanics
bedded volcanics.
Sample 130

bedding: N/40-35.

Photo 25.



